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COMPENSATING BLISTER DIE CUTTER APPARATUS

This invention relates to a die cutter apparatus for severing blisters into individual blisters
5 from a sheet of blisters which has been formed from a deformable transparent or translucent sheet
of plastic material by a process known to those skilled in the art.

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Blisters which are used in the blister packaging art are conventionally formed from a large
sheet of plastic material which is heated and formed around molds to produce a plurality of the
blisters as part of an integral sheet of plastic material. Because of the nature of the plastic from
10 which the blisters are formed there is a shrinkage of the sheet upon cooling and the amount of
shrinkage is dependent upon the chemical nature of the plastic from which the blisters are formed
and is also dependent upon other factors too numerous to mention herein. As a result of the
shrinkage, the individual blisters will end up when the sheet is cooled at various distances from
each other which is inconsistent as between blisters when they are originally formed about their
15 respective molds. In other words, the finished blisters on the formed sheet, because of the
shrinkage referred to above, will have distances from their respective centerlines which is different
from the centerlines of the molds used to form the blisters. As a result when it is desired to cut
the individual blisters from the integral sheet and since they are varying distances apart, the blister
itself will be offset from the flange surrounding it.

20 Summary of the Invention

The present invention contemplates the construction of a blister die cutter unit which
accommodates a cutter for each blister formed on a sheet of plastic material with each blister die
cutter unit being movable relative to the other so as to accommodate the shrinkage and relative